

## Practical case: OpenCV Object Tracking on Raspberry Pi 4

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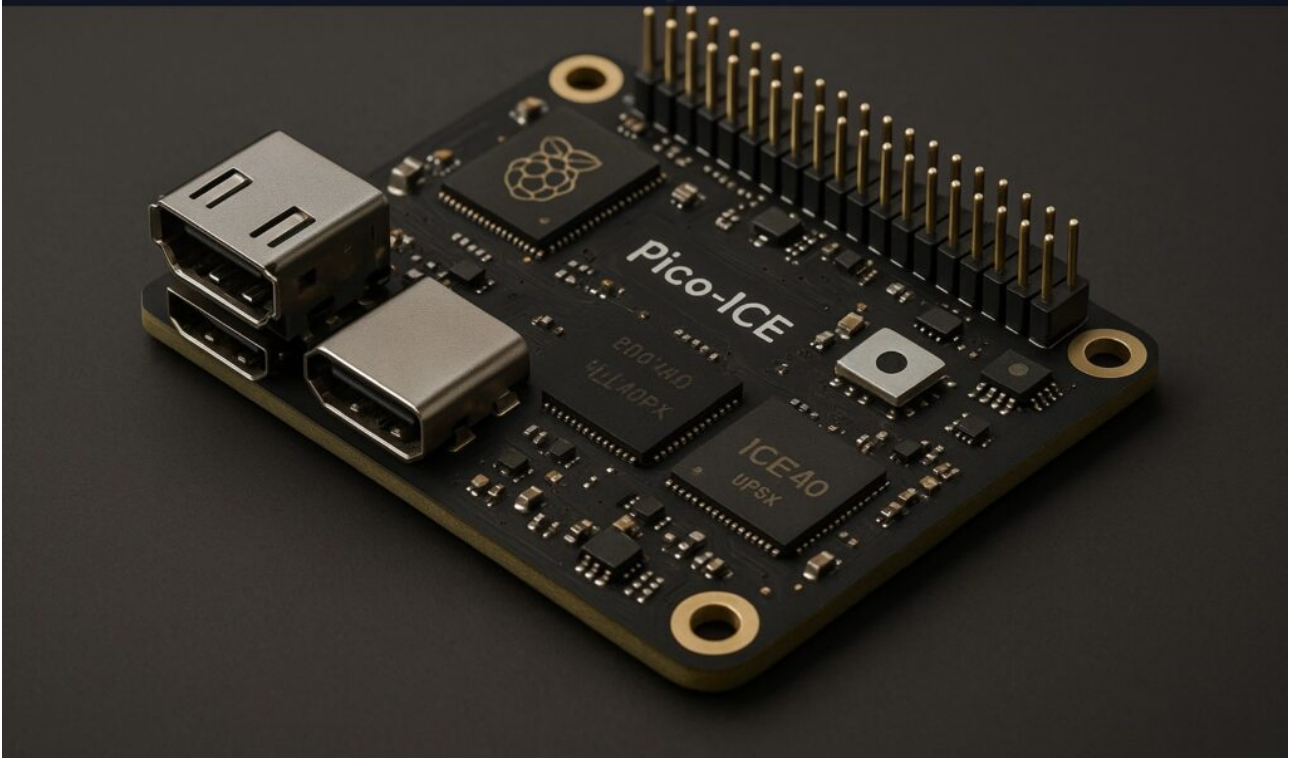


Learn to create a real-time object tracking system using OpenCV on Raspberry Pi 4 with HQ Camera. Step-by-step guide with Python 3.11.

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## Practical case: I2C Temperature Sensor on Pico-ICE RP2040

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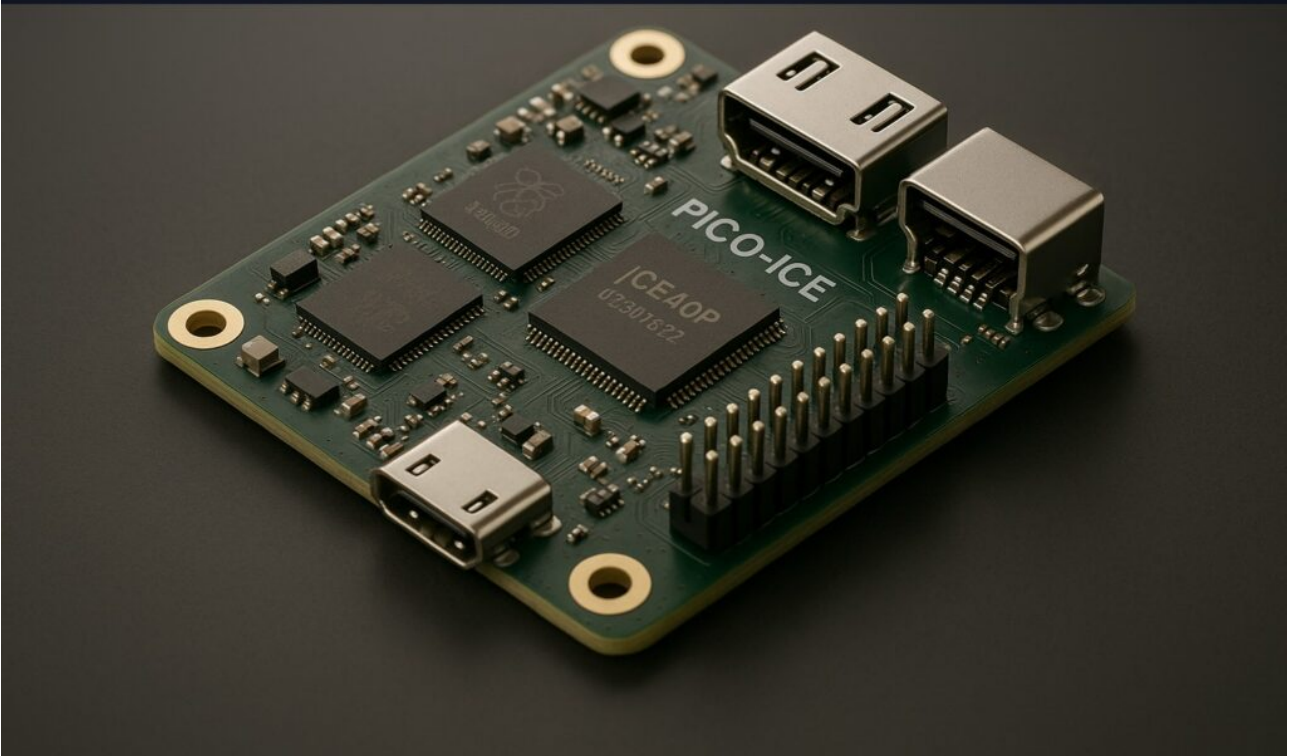


Explore a hands-on guide to reading temperature via I2C with Pico-ICE. Learn to set up, wire, and validate your sensor using Raspberry Pi.

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## Practical case: PWM servo on RP2040 + iCE40UP5K (Pico-ICE)

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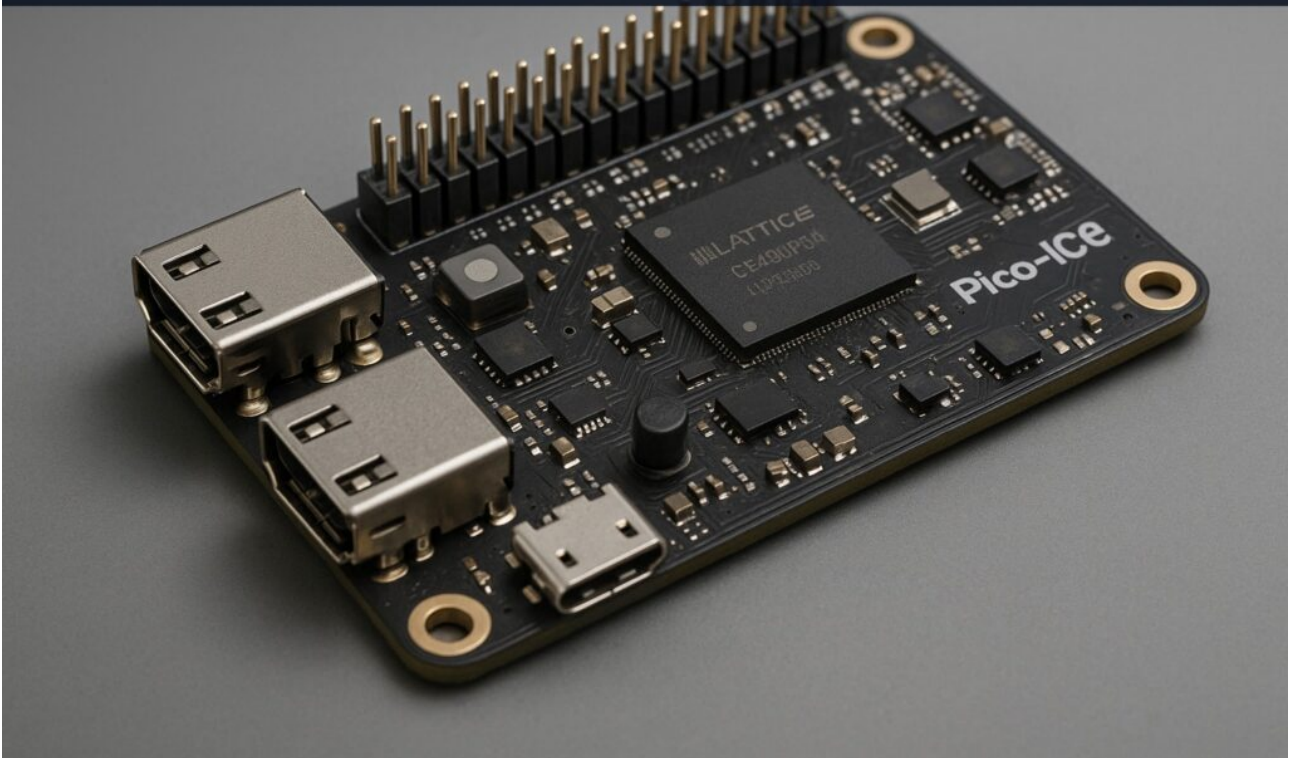


Learn to build a low-jitter PWM servo controller on Raspberry Pi Pico-ICE. Control servos with accurate timing and USB commands in this practical guide.

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## Practical case: I2C Temperature Sensor on Pico-ICE UP5K

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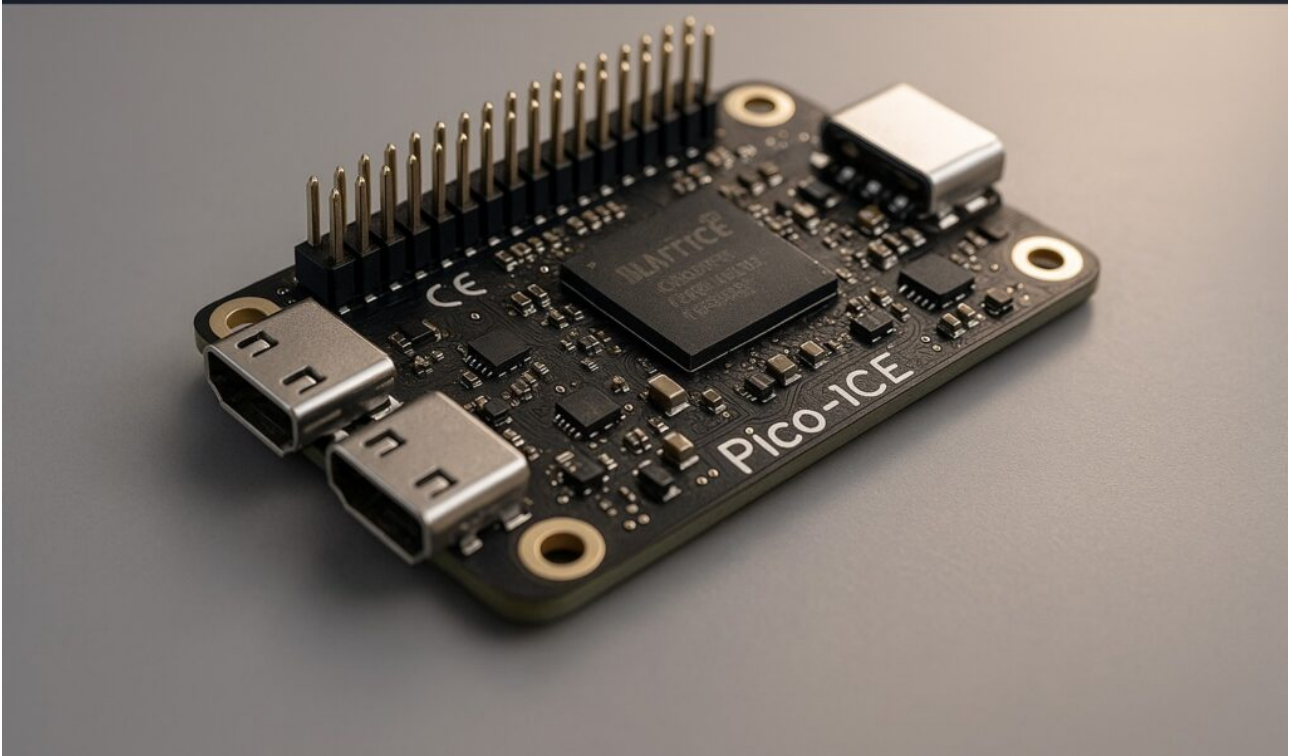


Learn to read temperature data from an I2C sensor using the Pico-ICE and RP2040. Follow our step-by-step guide with wiring, code, and troubleshooting tips.

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## Practical case: LED dimming with PWM on Pico-ICE iCE40UP5K

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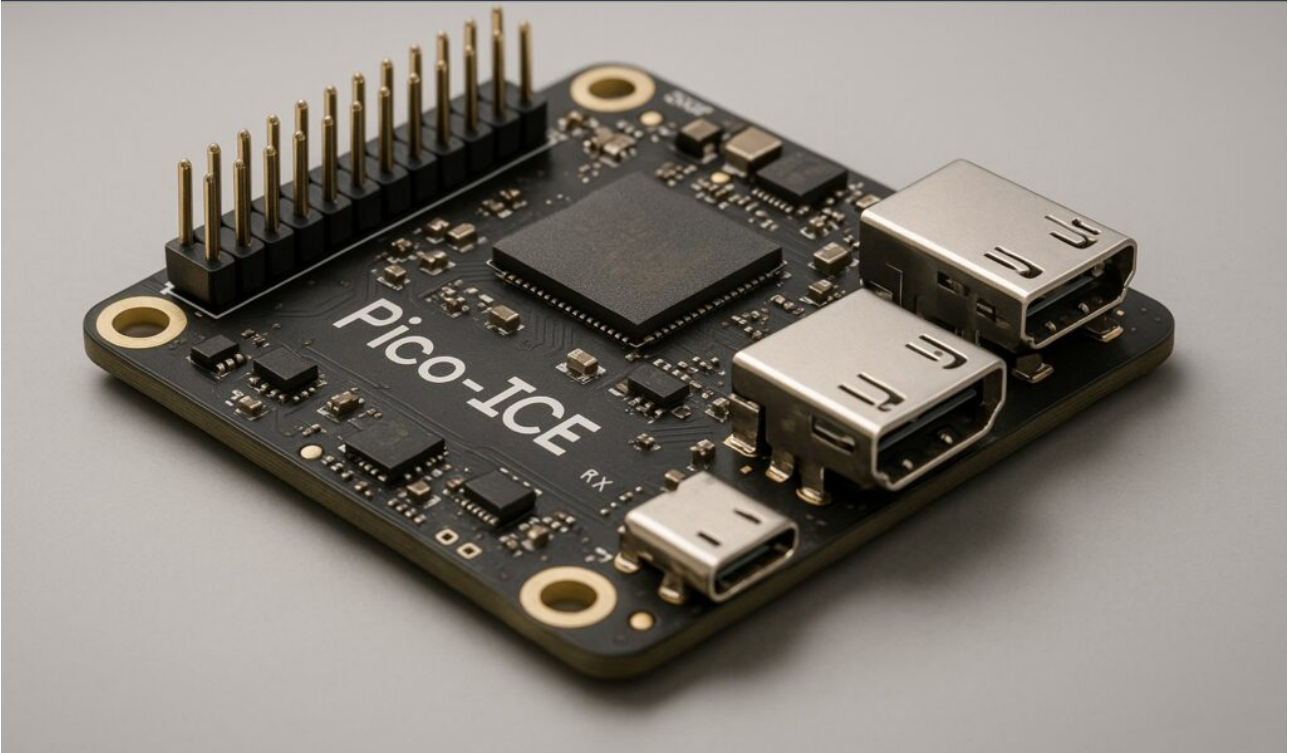


Learn to control LED brightness using PWM on the Pico-ICE board with Raspberry Pi. Step-by-step guide for beginners using MicroPython.

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## Practical case: UART Echo on Pico-ICE FPGA & Raspberry Pi

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Explore a hands-on project to send low-power UART messages from Pico-ICE to Raspberry Pi, using Python and C firmware for efficient communication.